



Decision Support Briefing for SnowEx (NASA) – 14 February, 2017

Overview

High pressure will remain in control through Friday as temperatures continue to run a little warmer than normal. A weak upper level disturbance will move over the mountains tomorrow afternoon but the only indication will be some high clouds moving overhead. These clouds will be at or above 20,000 feet so do not anticipate any flight concerns. Expect similar conditions Thursday though clouds will be on the increase from the west towards the evening hours and overnight. By Friday, a disturbance will move over Colorado and looks to split as it does so. This split will keep rain and snow well to our north and south while we remain mostly dry. Expect scattered to broken clouds with mid to high level ceilings from time to time. A closed low will then bring some rain and snow Saturday but like the last system, the heaviest precipitation stays to our north and south. However, plenty of clouds will hang around through Monday morning. Confidence remains in the low to medium range as model output has been varying from run to run.

Local Weather Hazards for 10 Miles NNW Cedaredge CO (Grand Mesa at Mesa/Delta Co Line)

[Hazardous Weather Outlook](#)

National Weather Service Forecast for 10 Miles NNW Cedaredge CO (Grand Mesa at Mesa/Delta Co Line)

For the latest forecast, go to <http://forecast.weather.gov/MapClick.php?lat=39.027&lon=-108.02>

Tonight: Clear, with a low around 18. North northeast wind 5 to 10 mph becoming southeast after midnight.

Wednesday: Sunny, with a high near 36. East southeast wind around 5 mph becoming west in the afternoon.

Wednesday Night: Mostly clear, with a low around 21. North northwest wind around 5 mph becoming northeast after midnight.

Thursday: Sunny, with a high near 40. South southeast wind around 5 mph becoming southwest in the afternoon.

Thursday Night: Partly cloudy, with a low around 23. South wind around 5 mph.

Friday: A slight chance of snow before 2pm, then a slight chance of rain and snow between 2pm and 4pm, then a slight chance of snow after 4pm. Partly sunny, with a high near 36. Chance of precipitation is 20%.

Friday Night: A 50 percent chance of snow. Mostly cloudy, with a low around 25.

Saturday: A chance of snow before 1pm, then a chance of rain and snow. Mostly cloudy, with a high near 36.

Saturday Night: A chance of snow. Mostly cloudy, with a low around 27.

Sunday: Snow likely before 1pm, then rain, possibly mixed with snow. Mostly cloudy, with a high near 36.

Sunday Night: Snow. Cloudy, with a low around 23.

Washington's Birthday: A chance of snow. Mostly cloudy, with a high near 35.

Monday Night: A chance of snow. Mostly cloudy, with a low around 22.

Tuesday: A chance of rain and snow. Partly sunny, with a high near 35.

Local Weather Hazards for 7 Miles ENE Ophir CO (Senator Beck)

[Hazardous Weather Outlook](#)

National Weather Service Forecast for 7 Miles ENE Ophir CO (Senator Beck)

For the latest forecast, go to <http://forecast.weather.gov/MapClick.php?lat=37.905&lon=-107.72>

Tonight: Mostly clear, with a low around 15. South southeast wind around 10 mph becoming north northeast in the evening.

Wednesday: Sunny, with a high near 30. Northeast wind around 10 mph becoming northwest in the afternoon. Winds could gust as high as 20 mph.

Wednesday Night: Mostly clear, with a low around 18. North northeast wind around 10 mph.

Thursday: Sunny, with a high near 37. North northeast wind around 10 mph becoming west in the afternoon.

Thursday Night: Partly cloudy, with a low around 18. Southwest wind 10 to 15 mph.

Friday: A 20 percent chance of snow after 11am. Partly sunny, with a high near 30.

Friday Night: A 20 percent chance of snow. Mostly cloudy, with a low around 20.

Saturday: Snow likely, mainly after 11am. Areas of blowing snow after 11am. Cloudy, with a high near 28.

Saturday Night: A chance of snow. Cloudy, with a low around 20.

Sunday: Snow likely, mainly after 11am. Areas of blowing snow after 11am. Cloudy, with a high near 27.

Sunday Night: Snow likely. Patchy blowing snow. Cloudy, with a low around 15.

Washington's Birthday: Partly sunny, with a high near 27.

Monday Night: Mostly cloudy, with a low around 15.

Tuesday: Mostly sunny, with a high near 28. Breezy.

Aviation Forecast for Grand Junction Regional Airport

KGJT 142328

TAFGJT

TAF

KGJT 142328Z 1500/1524 35008KT P6SM SKC

FM150400 04006KT P6SM FEW250

FM151000 09006KT P6SM SKC=

Aviation Forecast for Colorado Springs Airport

KCOS 142320Z 1500/1524 01015G25KT P6SM FEW250

FM150200 35006KT P6SM SKC

FM151700 17008KT P6SM SKC=

Aviation Forecast for Centennial Airport

KAPA 142000Z 1420/1518 36013KT P6SM FEW120 SCT220

FM150100 12006KT P6SM FEW120 SCT220

FM150400 21007KT P6SM FEW220

FM151700 24006KT P6SM SCT220=

Discussion

Grand Mesa forecast cloud levels:

Wednesday: Clear skies with some high clouds at or above 20,000 feet AGL during the afternoon.

Thursday: Clear with a few high clouds at or above 20,000 feet AGL.

Senator Beck forecast cloud levels:

Wednesday: Few to scattered high clouds with cloud bases at or above 20,000 ft AGL.

Thursday: Scattered clouds with bases between 15,000 to 20,000 ft AGL.

Current PIREPs: <https://www.aviationweather.gov/airep/plot?type=turb@ion=SW>

Current SITREPs: <https://www.aviationweather.gov/sigmet>

Current radar:

<http://radar.weather.gov/radar.php?rid=GJX&product=NCR&overlay=11101111&loop=yes>

Current satellite: <http://www.weather.gov/satellite?image=ir#ir>

Hourly weather graphics for the Grand Mesa: <http://forecast.weather.gov/MapClick.php?lon=-108.0245414138168&lat=39.03261977917103#.WKJNB28rInQ>

Hourly weather graphics for Senator Beck:

<http://forecast.weather.gov/MapClick.php?lat=37.9247&lon=-107.7179&unit=0&lg=english&FcstType=graphical>

For official pilot briefings, call 1-800-WX-BRIEF

For Further Information

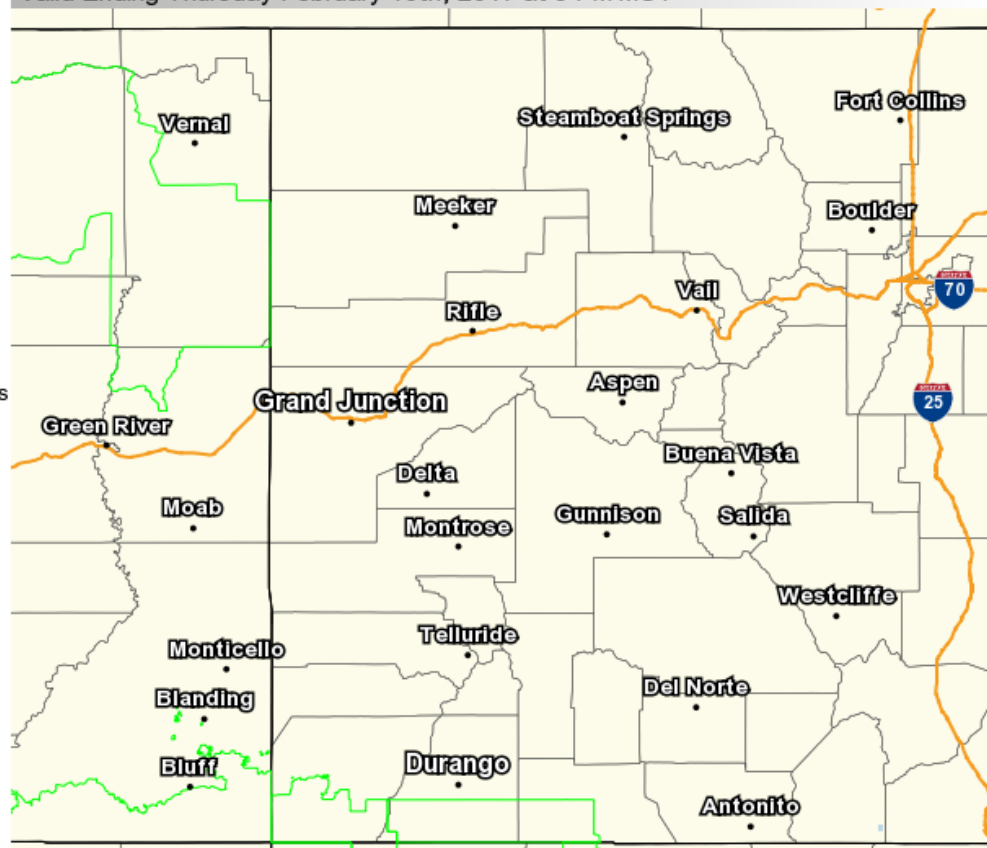
- Contact National Weather Service operations 24 hours a day at 970-256-9463 (unlisted)
- For specific support of emergency response incidents, request a spot forecast by contacting the NWS forecast office by phone or online.
- Online spot forecast request available at:
<http://www.weather.gov/spot/monitor/?lat=39.0293452169889&lon=-109.20392753906285&z=7>

Forecaster: Thomas Renwick

Forecast Snowfall

National Weather Service

Valid Ending Thursday February 16th, 2017 at 5 PM MST



Graphic Created
February 14th, 2017
4:15 PM MST